

DECLARATION
and
POWER OF ATTORNEY

U.S. NATIONAL PHASE OF INTERNATIONAL APPLICATION

I hereby declare that:

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Health Care System, Biological Information Terminal**, the specification of which was filed as International Application No. PCT/JP2004/009057 on June 21, 2004, was assigned U.S. Application Serial No. 10/562,043, and was amended by Preliminary Amendment on December 23, 2005.

I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number (s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
2003-178273	Japan	06/23/2003		Yes

I hereby appoint Eric M. Robbins, Registration No. 52,170; Holly D. Kozlowski, Reg. No. 30,468; John V. Harmeyer, Reg. No. 41,815; Charles H. Brown III, Registration No. 48,866; Clayton L. Kuhnle, Registration No. 48,691; Geoffrey L. Oberhaus, Registration No. 42,955; Joshua A. Lorentz, Registration No. 52,406; Denise M. Everett, Registration No. 47,552; and J. Jay Haugen, Registration No. 56,308; my attorneys, c/o Dinsmore & Shohl LLP, 1900 Chemed Center, 255 East Fifth Street, Cincinnati, Ohio 45202 USA (513) 977-8200, with full power in each of them, of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the above-named U.S. attorneys to accept and follow instructions from **Parlee McLaws LLP** as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the undersigned and the aforementioned U.S. attorneys. In the event of a change in the firm or persons from whom instructions may be taken, the aforementioned U.S. attorneys will be so notified in writing by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Kaori Takano

Inventor's signature: Kaori Takano Date: Sept 5th, 2006

Residence: City: Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of second inventor: Ryuji Iijima

Inventor's signature: Ryuji Iijima Date: Sept. 7th, 2006

Residence: City: Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of third inventor: Kouichi Moriya

Inventor's signature: Kouichi Moriya Date: Sept. 6th, 2006

Residence: City: Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of fourth inventor: Shinichiro Miyahara

Inventor's signature: Shinichiro Miyahara Date: Sept. 6th, 2006

Residence: City: Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of fifth inventor: Norihiko Matsuo

Inventor's signature: Norihiko Matsuo Date: Sept. 11th, 2006

Residence: City: Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of sixth inventor: Shigeru Uematsu

Inventor's signature: S. Uematsu Date: Sept. 5th, 2006

Residence: City: 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507 Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of seventh inventor: Masako Miyazaki

Inventor's signature: _____ Date: _____

Residence: 508 Butterworth way, Edmonton, Alberta, Canada T6R 2G8

Citizenship: Canada

Mailing Address: Faculty of Rehabilitation Medicine, 208 Corbett Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2G4

Full name of eighth inventor: Toshio Ohyanagi

Inventor's signature: _____ Date: _____

Residence: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Citizenship: Japan

Mailing Address: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Full name of ninth inventor: James Miller

Inventor's signature: _____ Date: _____

Residence: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Citizenship: Great Britain

Mailing Address: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Full name of fifth inventor: Norihiko Matsuo

Inventor's signature: _____ Date: _____

Residence: City: _____ Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of sixth inventor: Shigeru Uematsu

Inventor's signature: _____ Date: _____

Residence: City: _____ Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of seventh inventor: Masako Miyazaki

Inventor's signature: Masako Miyazaki Date: Sep 7, 2006

Residence: 508 Butterworth way, Edmonton, Alberta, Canada T6R 2G8

Citizenship: Canada

Mailing Address: Faculty of Rehabilitation Medicine, 208 Corbett Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2G4

Full name of eighth inventor: Toshio Ohyanagi

Inventor's signature: 大林俊次 Date: September 8, 2006.

Residence: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Citizenship: Japan

Mailing Address: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Full name of ninth inventor: James Miller

Inventor's signature: _____ Date: _____

Residence: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Citizenship: Great Britain

Mailing Address: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Full name of fifth inventor: Norihiko Matsuo

Inventor's signature: _____ Date: _____

Residence: City: _____ Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of sixth inventor: Shigeru Uematsu

Inventor's signature: _____ Date: _____

Residence: City: _____ Country: Japan

Citizenship: Japan

Mailing Address: c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, Japan

Full name of seventh inventor: Masako Miyazaki

Inventor's signature: _____ Date: _____

Residence: 508 Butterworth way, Edmonton, Alberta, Canada T6R 2G8

Citizenship: Canada

Mailing Address: Faculty of Rehabilitation Medicine, 208 Corbett Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2G4

Full name of eighth inventor: Toshio Ohyanagi

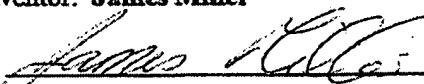
Inventor's signature: _____ Date: _____

Residence: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Citizenship: Japan

Mailing Address: 3-3-9-21, Nishi-miyanosawa, Teine-ku, Sapporo 006-0003, Hokkaido, Japan

Full name of ninth inventor: James Miller

Inventor's signature:  Date: 4th Sept 06

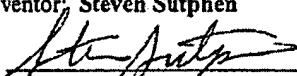
Residence: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Citizenship: Great Britain

Mailing Address: 4916 Whitemud Road, Edmonton, Alberta, Canada T6H 5M3

Full name of tenth inventor: Steven Sutphen

Inventor's signature:



Date: Sept 7, 2006

Residence: 11439-79 Avenue N.W., Edmonton, Alberta, Canada, T6G 0P5

Citizenship: United States of America

Mailing Address: Athabasca Hall 2-21, University of Alberta, Edmonton, Alberta, Canada, T6G 2E8

1299209

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Kaori Takano et al. : Paper No.
Serial No.: 10/562,043 : Group Art Unit:
PCT Filed: June 21, 2004 : Examiner:
For: Health Care System, Biological Information Terminal

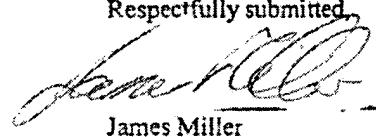
STATEMENT UNDER 37 C.F.R. 1.497(d)(1)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.497(d)(1), I hereby state that the error in omitting James Miller and Steven Sutphen as inventors in International Application No. PCT/JP2004/009057 occurred without any deceptive intention on my part.

Respectfully submitted,

7th Sept. 2006
James Miller Date

Steven Sutphen

Date

1300276

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Kaori Takano et al. : Paper No.
Serial No.: 10/562,043 : Group Art Unit:
PCT Filed: June 21, 2004 : Examiner:
For: Health Care System, Biological Information Terminal

STATEMENT UNDER 37 C.F.R. 1.497(d)(1)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

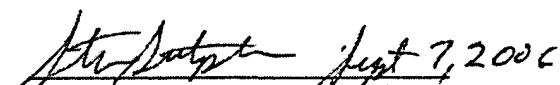
Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.497(d)(1), I hereby state that the error in omitting James Miller and Steven Sutphen as inventors in International Application No. PCT/JP2004/009057 occurred without any deceptive intention on my part.

Respectfully submitted,

James Miller

Date


Steven Sutphen

Date

1300270

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Kaori Takano et al. : Paper No.
Serial No.: 10/562,043 : Group Art Unit:
PCT Filed: June 21, 2004 : Examiner:
For: Health Care System, Biological Information Terminal

CONSENT OF ASSIGNEE UNDER 37 C.F.R. 1.497(d)(3)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

By Assignment dated December 16, 2005 and attached hereto as Exhibit A, inventors Kaori Takano, Ryuji Iijima, Kouichi Moriya, Shinichiro Miyabara, Norihiko Matsuo, and Shigeru Uematsu assigned their entire right, title, and interest to Seiko Instruments Inc. in the invention entitled Health Care System, Biological Information Terminal, the specification of which was filed in International Application No. PCT/JP2004/009057 on June 21, 2004, and was assigned U.S. Application Serial No. 10/562,043. The remaining four inventors, namely Masako Miyazaki, Toshio Ohyanagi, James Miller, and Steven Sutphen, assigned their entire right, title, and interest in this same invention to the University of Alberta by Assignments dated December 16, 2005 and attached hereto as Exhibits B and C. In accordance with the provisions of 37 C.F.R. 1.497(d)(3), Assignees Seiko Instruments Inc. and the University of Alberta hereby consent to the addition of James Miller and Steven Sutphen as inventors in U.S. Application Serial No. 10/562,043. By signing below, I represent that I am authorized to act on behalf of the named Assignee.

SEIKO INSTRUMENTS INC.

Signed: Toshihiko Sakuhara
Printed: Toshihiko Sakuhara
Title: Vice President & General Manager
Date: Sep. 5th, 2006

UNIVERSITY OF ALBERTA

Signed: _____
Printed: _____
Title: _____
Date: _____

1299284

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Kaori Takano et al. : Paper No.
Serial No.: 10/562,043 : Group Art Unit:
PCT Filed: June 21, 2004 : Examiner:
For: **Health Care System, Biological Information Terminal**

CONSENT OF ASSIGNEE UNDER 37 C.F.R. 1.497(d)(3)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

By Assignment dated December 16, 2005 and attached hereto as Exhibit A, inventors Kaori Takano, Ryuji Iijima, Kouichi Moriya, Shinichiro Miyahara, Norihiko Matsuo, and Shigeru Uematsu assigned their entire right, title, and interest to Seiko Instruments Inc. in the invention entitled **Health Care System, Biological Information Terminal**, the specification of which was filed in International Application No. PCT/JP2004/009057 on June 21, 2004, and was assigned U.S. Application Serial No. 10/562,043. The remaining four inventors, namely Masako Miyazaki, Toshio Ohyanagi, James Miller, and Steven Sutphen, assigned their entire right, title, and interest in this same invention to the University of Alberta by Assignments dated December 16, 2005 and attached hereto as Exhibits B and C. In accordance with the provisions of 37 C.F.R. 1.497(d)(3), Assignees Seiko Instruments Inc. and the University of Alberta hereby consent to the addition of James Miller and Steven Sutphen as inventors in U.S. Application Serial No. 10/562,043. By signing below, I represent that I am authorized to act on behalf of the named Assignee.

SEIKO INSTRUMENTS INC.

Signed: _____
Printed: _____
Title: _____
Date: _____

UNIVERSITY OF ALBERTA

Signed: /l/
Printed: Dr. David J. Cox
CEO, TEC Edmonton
Title: University of Alberta
Date: Sept 11/06

1299284

Exhibit A

ASSIGNMENT

We, **TAKANO, Kaori; IIJIMA, Ryuji; MORIYA, Kouichi; MIYAHARA, Shinichiro; MATSUO, Norihiko and UEMATSU, Shigeru**, whose full post office addresses are all care of Seiko Instruments Inc. of 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, JAPAN; for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby assign to **SEIKO INSTRUMENTS INC.**, having its principal place of business at 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, JAPAN, its successors, assigns and legal representatives, the entire right, title and interest in, to and under:

Any and all inventions and discoveries made by **TAKANO, Kaori; IIJIMA, Ryuji; MORIYA, Kouichi; MIYAHARA, Shinichiro; MATSUO, Norihiko and UEMATSU, Shigeru** and disclosed in an application for Letters Patent in Japan for **HEALTH CARE SYSTEM, BIOLOGICAL INFORMATION TERMINAL** filed under Serial No. 2003-178273 on June 23, 2003; any and all applications for Letters Patent of that or any other country which have been or may be filed based either in whole or in part upon any or all of said inventions or discoveries, including all rights of priority under the International Convention in foreign countries and the right to file and prosecute such applications; and any and all Letters Patent which have been or may be granted by that or any other country based either in whole or in part upon any or all of said inventions or discoveries on said applications;

TO HAVE AND TO HOLD the same with all the rights and privileges enjoyed by us or which would have been enjoyed by us had we not hereby assigned. And we hereby authorize and request the Commissioner of Patents, or other proper office, to issue any and all such Letters Patent to the assignee herein named. And we hereby

covenant, for ourselves and our legal representatives and assigns, that we neither have executed nor will execute any instrument or perform any act in conflict herewith, and that we, and our heirs, legal representatives, and assigns will at all times do such acts and execute such papers, without expense to ourselves, as from time to time may be necessary or useful to apply for, secure, defend, maintain, reissue, or extend any or all of said Letters Patent, to secure for said assignee the full benefits of said inventions or discoveries, or otherwise to carry into full force and effect the text and intent of this assignment.

SIGNED at Chiba, Japan this 16 day of December, 2005.

Kaori Takano.

KAORI TAKANO

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **KAORI TAKANO**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamachi, Chiba-shi, Chiba 261-8507, JAPAN.

SIGNED at Chiba, Japan this 16 day of December, 2005.

Ryuji Iijima

RYUJI IIJIMA

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **RYUJI IIJIMA**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Hidenori Fujioka

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, JAPAN.

SIGNED at Chiba, Japan this 16 day of December, 2005.

K. Moriya

KOUICHI MORIYA

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **KOUICHI MORIYA**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Hidenori Fujioka

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, JAPAN.

SIGNED at Chiba, Japan this 16 day of December, 2005.

Shinichiro Miyahara

SHINICHIRO MIYAHARA

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **SHINICHIRO MIYAHARA**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Hidenori Fujioka

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamachi, Chiba-shi, Chiba 261-8507, JAPAN.

SIGNED at Chiba, Japan this 16 day of December, 2005.

Norihiro Matsuo

NORIHIKO MATSUO

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **NORIHIKO MATSUO**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Hidenori Fujioka

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamachi, Chiba-shi, Chiba 261-8507, JAPAN.

SIGNED at Chiba, Japan this 16 day of December, 2005.

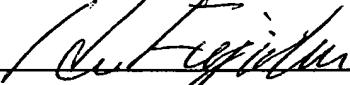


SHIGERU UEMATSU

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **SHIGERU UEMATSU**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 

Name of Witness HIDENORI FUJIOKA

Address of Witness 8, Nakase 1-chome, Mihamaku, Chiba-shi, Chiba 261-8507, JAPAN.

Exhibit B

ASSIGNMENT

We, **MIYAZAKI, Masako** and **OHYANAGI, Toshio**, whose full post office addresses are, respectively, care of the University of Alberta, 222 Campus Tower, 8625 – 112 Street, Edmonton, Alberta T6G 2E1 CANADA and 3-3-205-11, Nishi-Miyanosawa, Teine-ku, Sapporo, Hokkaido 006-0003 JAPAN; for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby assign to the **UNIVERSITY OF ALBERTA** having its principal place of business at 222 Campus Tower, 8625 – 112 Street, Edmonton, Alberta T6G 2E1 CANADA, its successors, assigns and legal representatives, the entire right, title and interest in, to and under:

Any and all inventions and discoveries made by **MIYAZAKI, Masako** and **OHYANAGI, Toshio** and disclosed in an application for Letters Patent in Japan for **HEALTH CARE SYSTEM, BIOLOGICAL INFORMATION TERMINAL** filed under Serial No. 2003-178273 on June 23, 2003; any and all applications for Letters Patent of that or any other country which have been or may be filed based either in whole or in part upon any or all of said inventions or discoveries, including all rights of priority under the International Convention in foreign countries and the right to file and prosecute such applications; and any and all Letters Patent which have been or may be granted by that or any other country based either in whole or in part upon any or all of said inventions or discoveries on said applications;

TO HAVE AND TO HOLD the same with all the rights and privileges enjoyed by us or which would have been enjoyed by us had we not hereby assigned. And we hereby authorize and request the Commissioner of Patents, or other proper office, to issue any and all such Letters Patent to the assignee herein named. And we hereby covenant, for ourselves and our legal representatives and assigns, that

we neither have executed nor will execute any instrument or perform any act in conflict herewith, and that we, and our heirs, legal representatives, and assigns will at all times do such acts and execute such papers, without expense to ourselves, as from time to time may be necessary or useful to apply for, secure, defend, maintain, reissue, or extend any or all of said Letters Patent, to secure for said assignee the full benefits of said inventions or discoveries, or otherwise to carry into full force and effect the text and intent of this assignment.

SIGNED at Edmonton, Canada this 18 day of December, 2005.

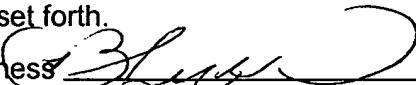


MASAKO MIYAZAKI

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **MASAKO MIYAZAKI**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 

Name of Witness BRENDA SERVICE

Address of Witness 4000, 8308-114 ST, EDMONTON, ALBERTA

SIGNED at Edmonton, Canada, this 19 day of December, 2005.

大野俊夫

TOSHIO OHYANAGI

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see TOSHIO OHYANAGI, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness Brenda Service

Name of Witness BRENDA SERVICE

Address of Witness 4020, 8308 - 114 ST, EDMONTON, ALBERTA

Exhibit C

ASSIGNMENT

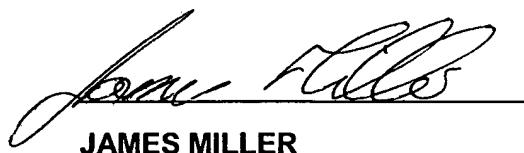
We, **MILLER, James** and **SUTPHEN, Steven**, whose full post office addresses are, respectively, 4916 - Whitemud Rd., Edmonton, Alberta T6H 5M3 CANADA and 11439 - 79 Avenue, Edmonton, Alberta T6G 0P5 CANADA; for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby assign to the **UNIVERSITY OF ALBERTA** having its principal place of business at 222 Campus Tower, 8625 – 112 Street, Edmonton, Alberta T6G 2E1 CANADA, its successors, assigns and legal representatives, the entire right, title and interest in, to and under:

Any and all inventions and discoveries made by **MILLER, James** and **SUTPHEN, Steven** and disclosed in an application for Letters Patent in Japan for **HEALTH CARE SYSTEM, BIOLOGICAL INFORMATION TERMINAL** filed under Serial No. 2003-178273 on June 23, 2003; any and all applications for Letters Patent of that or any other country which have been or may be filed based either in whole or in part upon any or all of said inventions or discoveries, including all rights of priority under the International Convention in foreign countries and the right to file and prosecute such applications; and any and all Letters Patent which have been or may be granted by that or any other country based either in whole or in part upon any or all of said inventions or discoveries on said applications;

TO HAVE AND TO HOLD the same with all the rights and privileges enjoyed by us or which would have been enjoyed by us had we not hereby assigned. And we hereby authorize and request the Commissioner of Patents, or other proper office, to issue any and all such Letters Patent to the assignee herein named. And we hereby covenant, for ourselves and our legal representatives and assigns, that we neither have executed nor will execute any instrument or perform any act in

conflict herewith, and that we, and our heirs, legal representatives, and assigns will at all times do such acts and execute such papers, without expense to ourselves, as from time to time may be necessary or useful to apply for, secure, defend, maintain, reissue, or extend any or all of said Letters Patent, to secure for said assignee the full benefits of said inventions or discoveries, or otherwise to carry into full force and effect the text and intent of this assignment.

SIGNED at EDMONTON, CANADA, this 19th day of December, 2005.

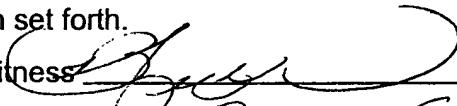


JAMES MILLER

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **JAMES MILLER**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 
Name of Witness BRENDA SERVICE
Address of Witness 4002, 8308-114 ST. EDMONTON, ALBERTA

SIGNED at Edmonton, Canada, this 19 day of December, 2005.

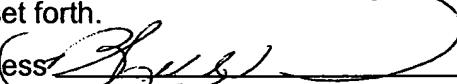


STEVEN SUTPHEN

WITNESS

CERTIFICATE OF WITNESS

I acknowledge that I was personally present and did see **STEVEN SUTPHEN**, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Witness 
BRENDA SERVICE

Name of Witness BRENDA SERVICE

Address of Witness 4000, 8308- 114 ST, EDMONTON, ALBERTA